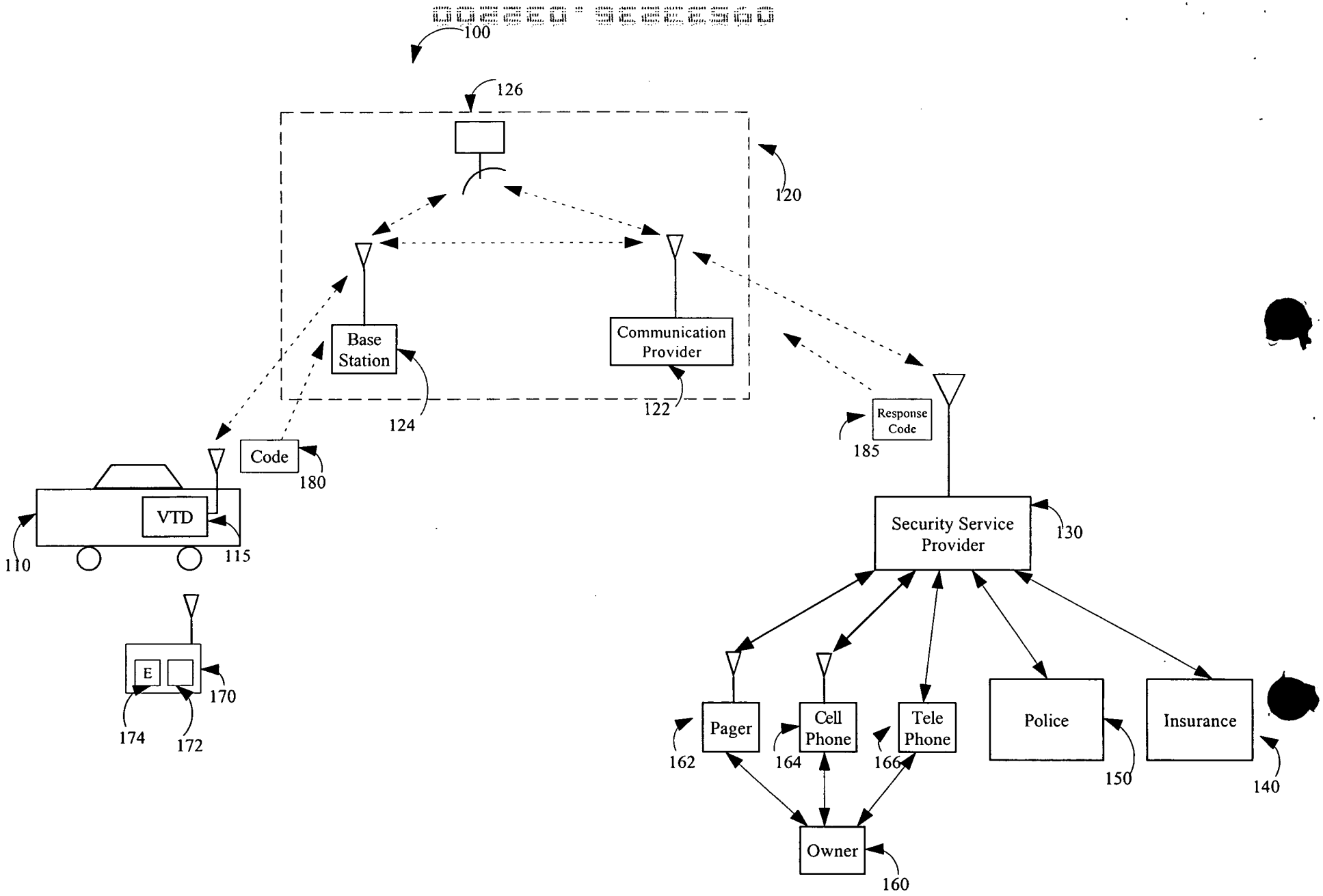
100
126
120
Base Station
Communication Provider
124
122
Code
180
Response Code
185
VTD
110
115
Security Service Provider
130
E
170
174
172
Pager
Cell Phone
Tele Phone
Police
Insurance
162
164
166
150
140
Owner
160

Figure 1

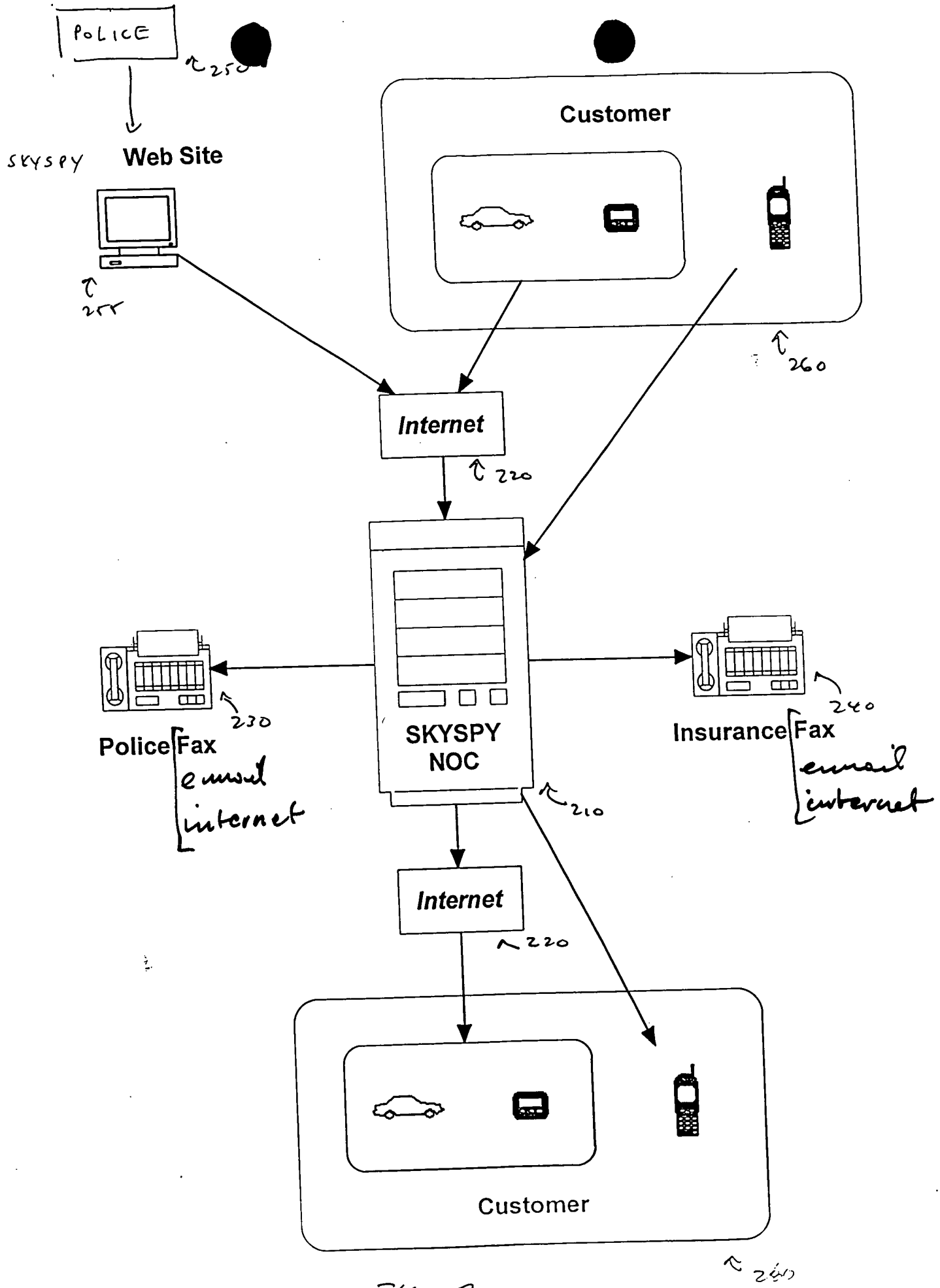
POLICE
250
SKYSPY
Web Site
Customer
255
260
Internet
220
SKYSPY
NOC
210
230
Police Fax
e mail
internet
240
Insurance Fax
email
internet
Internet
220
Customer
260

FIG. 2

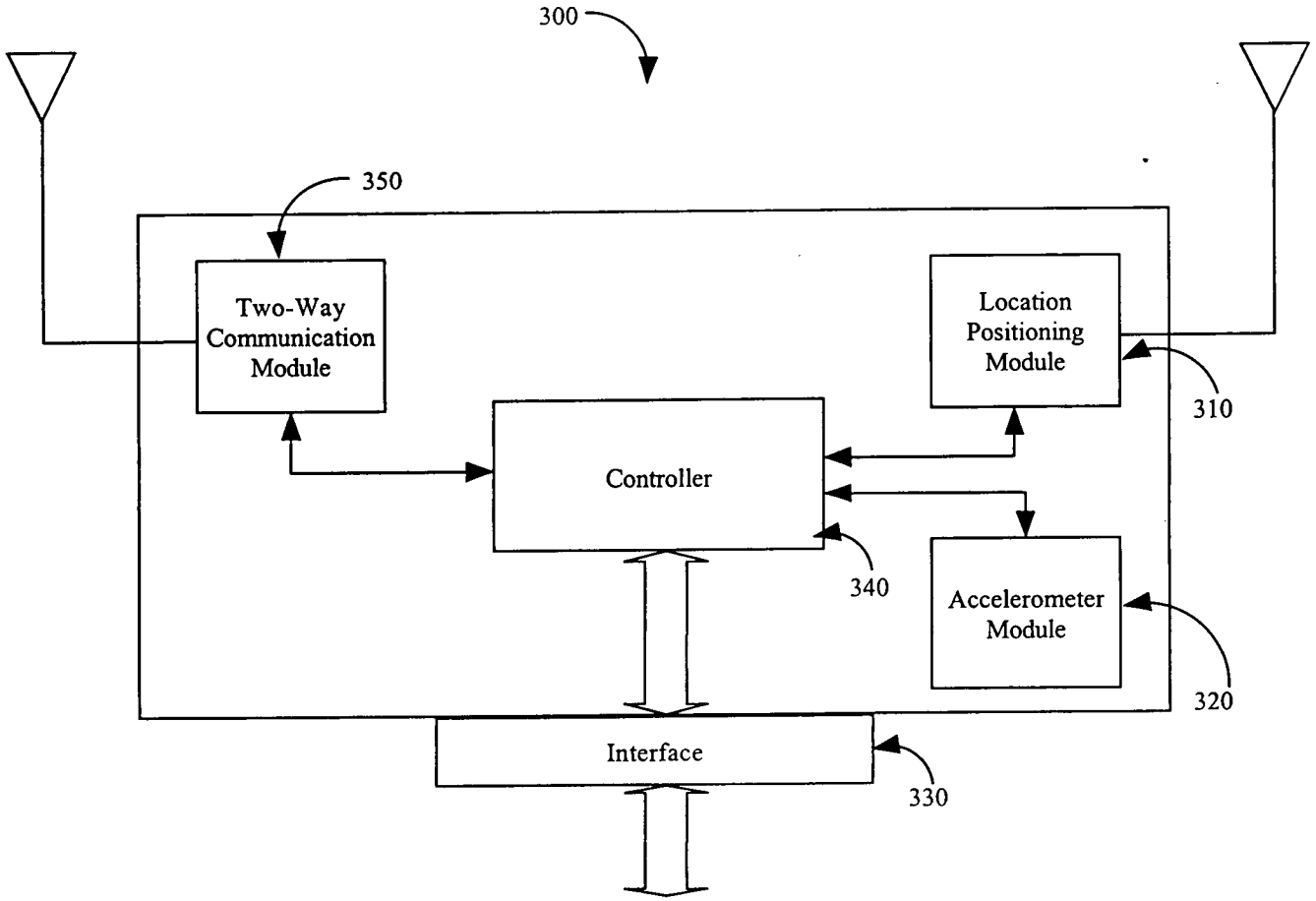
300
350
Two-Way Communication Module
Location Positioning Module
310
Controller
340
Accelerometer Module
320
Interface
330
Wiring Harness

Figure 3

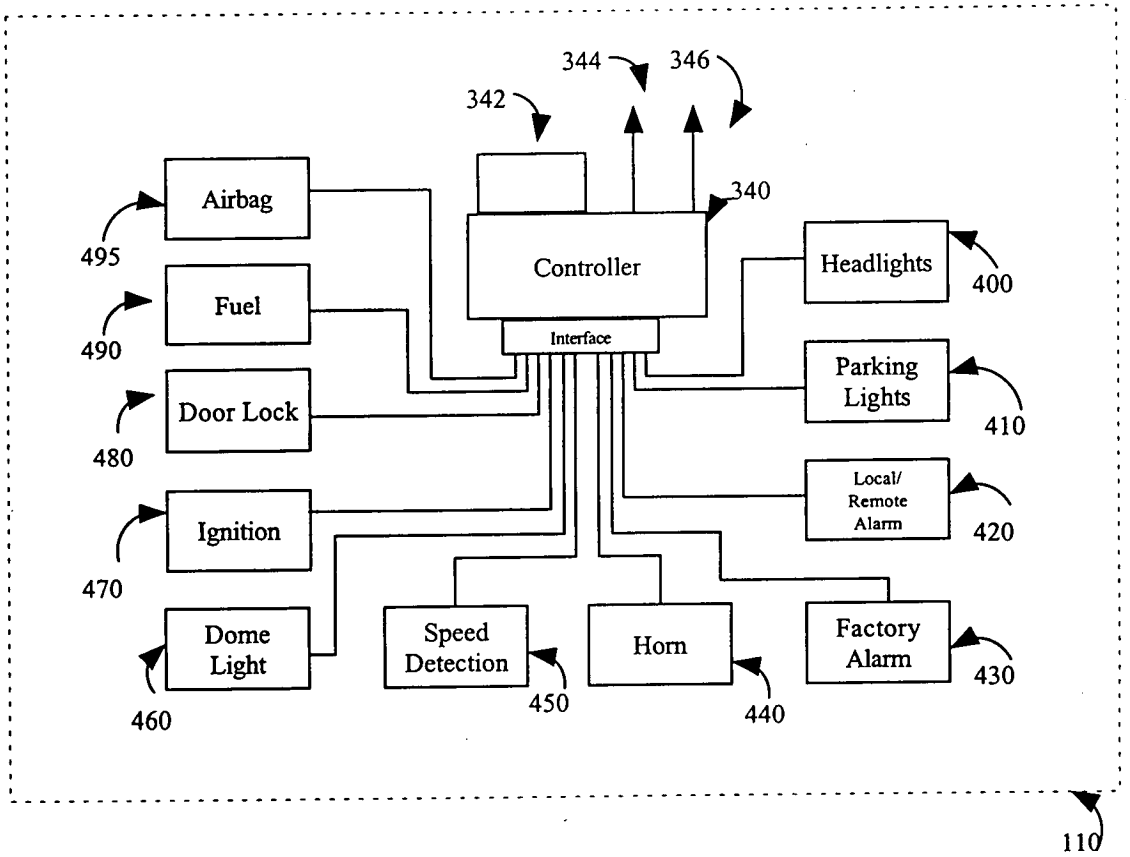
344
346
342
340
Airbag
495
Fuel
490
Door Lock
480
Ignition
470
Dome Light
460
Controller
Interface
Speed Detection
450
Horn
440
Headlights
400
Parking Lights
410
Local/ Remote Alarm
420
Factory Alarm
430
110

Figure 4

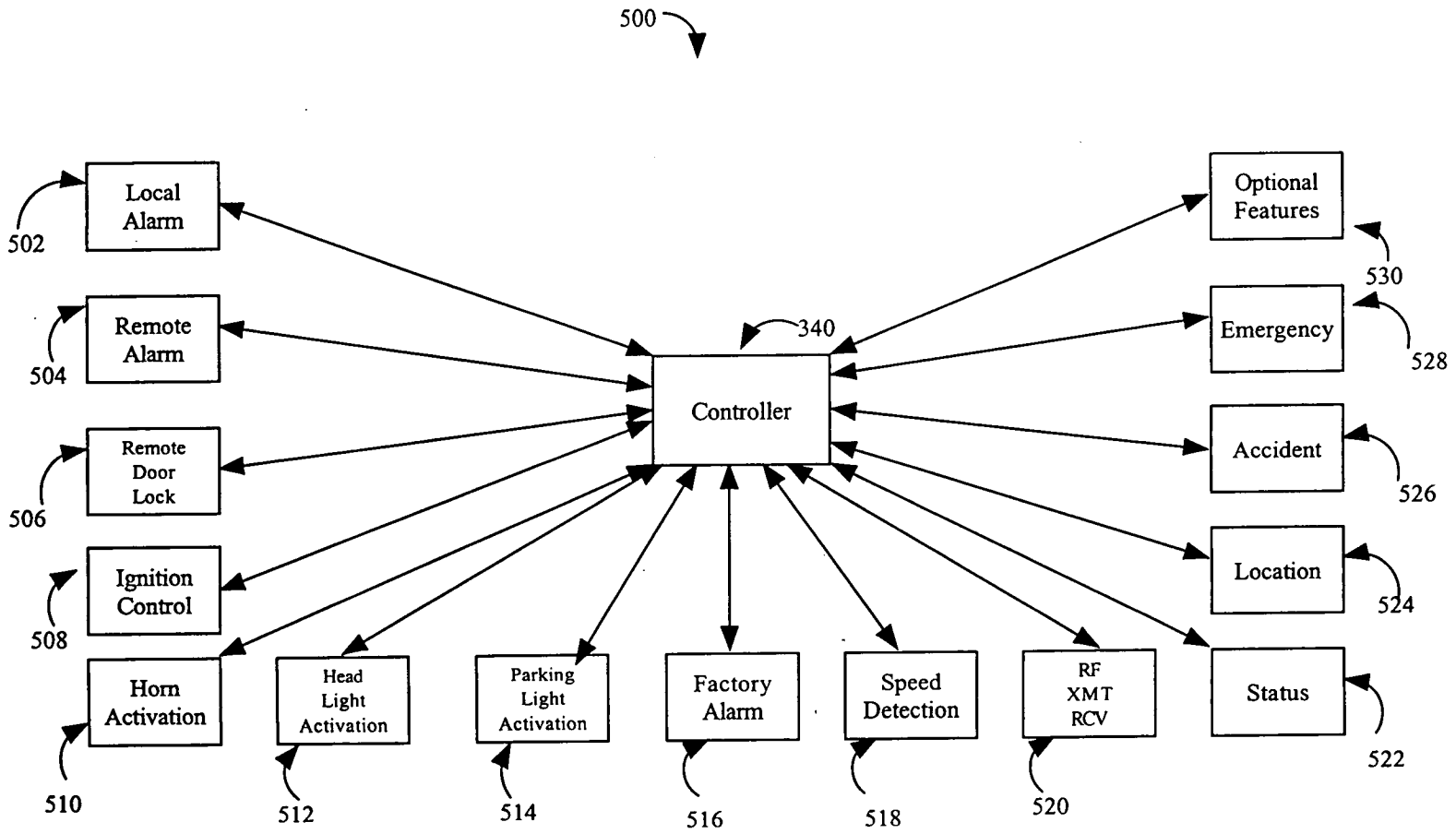
500
Local Alarm
502
Remote Alarm
504
Remote Door Lock
506
Ignition Control
508
Horn Activation
510
Head Light Activation
512
Parking Light Activation
514
Factory Alarm
516
Speed Detection
518
RF XMT RCV
520
Status
522
Location
524
Accident
526
Emergency
528
Optional Features
530
340
Controller

Figure 5

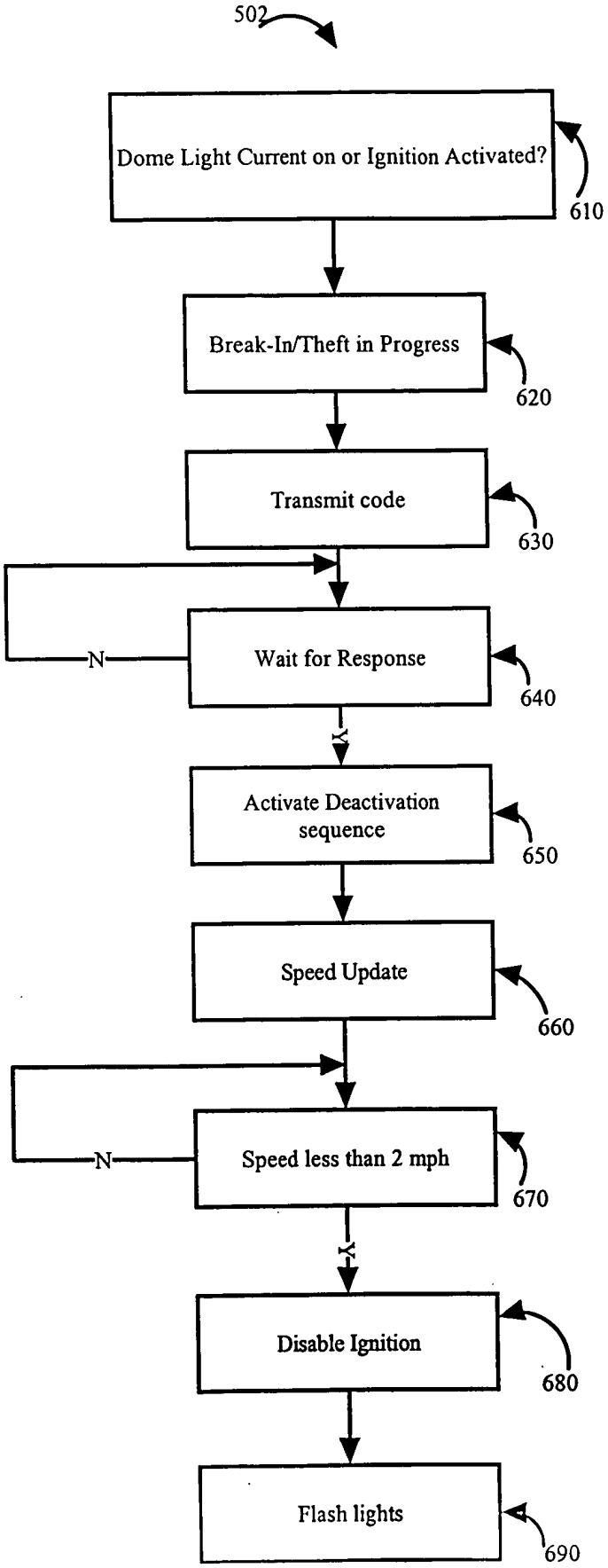
502
Dome Light Current on or Ignition Activated?
610
Break-In/Theft in Progress
620
Transmit code
630
N
Wait for Response
640
Y
Activate Deactivation sequence
650
Speed Update
660
N
Speed less than 2 mph
670
Y
Disable Ignition
680
Flash lights
690

FIG. 6

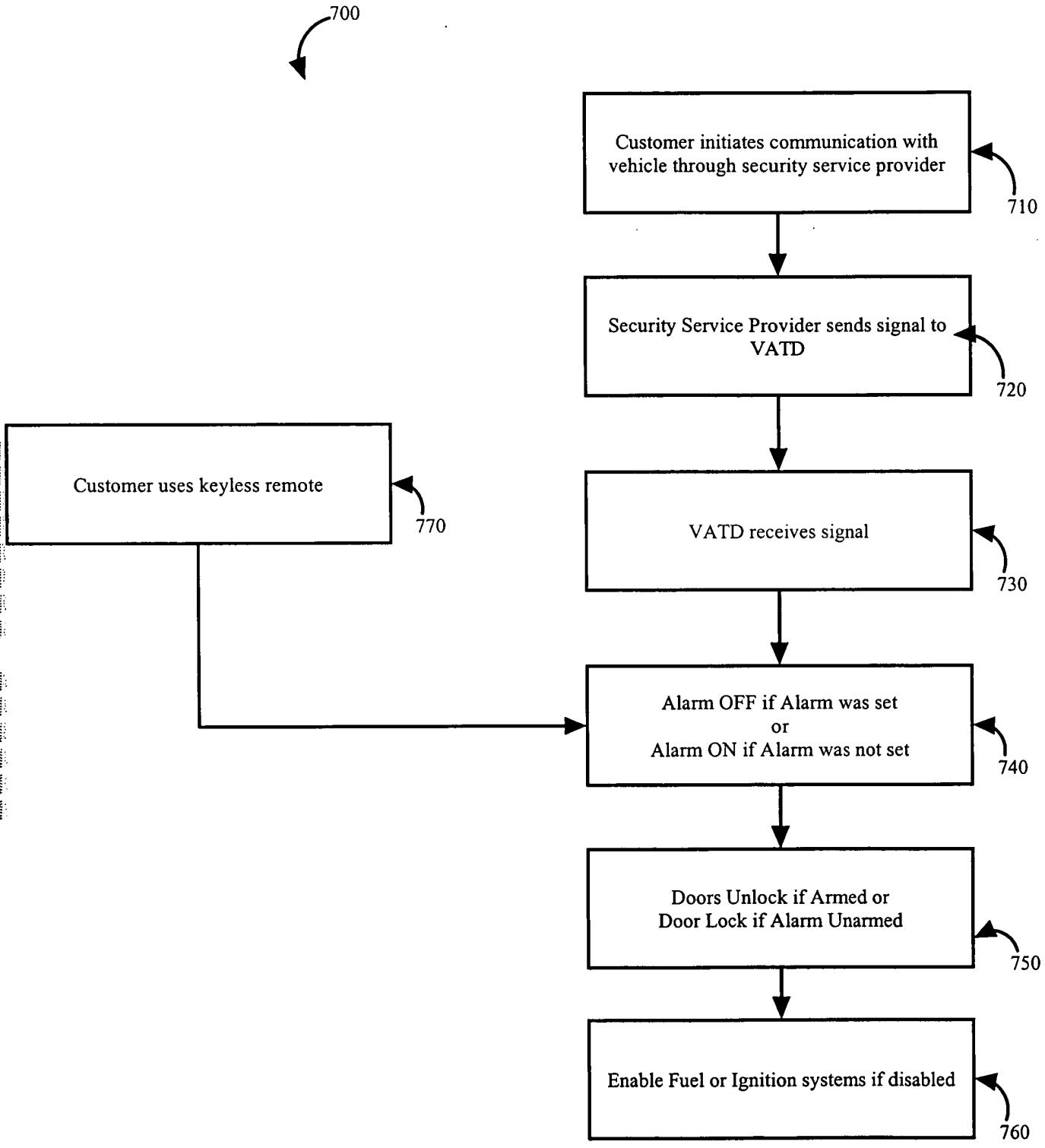
700
Customer initiates communication with vehicle through security service provider
710
Security Service Provider sends signal to VATD
720
Customer uses keyless remote
770
VATD receives signal
730
Alarm OFF if Alarm was set
or
Alarm ON if Alarm was not set
740
Doors Unlock if Armed or
Door Lock if Alarm Unarmed
750
Enable Fuel or Ignition systems if disabled
760

Figure 7

Output	Description	I / O	Parallel Bit							
			0	1	2	3	4	5	6	7
0	Lock Open	O	X						X	
1	Lock Close	O		X					X	
2	Ignition Disable	O			X				X	
3	Horn	O				X			X	
4	Head Lights	O					X		X	
5	Parking Lights	O						X	X	
6	Speed	I	X							X
7	Factory Alarm	I		X						X
8	Keyless Entry	I			X					X
9	Account Mode	I				X				X
10	Alarm Mode	I					X			X
11	Ignition Mode	I						X		X

Preliminary Bit Mode Table

Fig. 8